

ABSTRACT

This plant for producing oxygen and/or nitrogen and/or argon by air distillation, comprises: N(N>1) cold boxes (2), each of which comprises, on the one hand, a heat exchange line (5) for cooling the air to be distilled and, on the other hand, an air distillation apparatus (4); and means (3) for treating the air that feeds the air distillation apparatuses and optionally means for treating a fluid coming from the air separation apparatuses, these air treatment means or the fluid treatment means comprising several items of equipment mounted in parallel and networked with their inlets and/or their outlets connected to a common header (8, 10, 14, 17, 18) that collects or redistributes all of the air or of the fluid from the corresponding treatment step.

Figure 1